

Preliminary Amendment
U.S. National Stage of PCT/CN2004/001150
Our ref: B-5958PCT 623441-1
May 5, 2006
Page 2

Remarks/Arguments begin on page 20 of this paper.

An Appendix including the replacement drawing sheet 1 is attached following page 20 of this paper.

Amendments to the Title

Please amend the title of this application to read as follows:

"A VIDEOCONFERENCE SYSTEM AND A MANAGEMENT METHOD THEREOF"

Amendments to the Specification

Please amend paragraphs [5]-[6] on page 2 of the specification as indicated below:

~~The disadvantage of the solution includes:~~

~~With this solution, all conference management work has to be done manually, which is inefficient, and when there are many MCUs 1, the management is more difficult. Therefore, the solution is usually applied to small scale corporate videoconference systems, which can not meet the demand of videoconference operators.~~

Please amend paragraphs [8]-[9] on page 3 of the specification as indicated below:

~~Though conference management is easier with this solution, conference can be held only via the MCUs in the system. Usually, video operating systems are usually constructed by region. Even if~~

Preliminary Amendment

U.S. National Stage of PCT/CN2004/001150

Our ref: B-5958PCT 623441-1

May 5, 2006

Page 3

a single operator can construct a national conference management system, videoconference service across operators or countries can still not be managed uniformly. These videoconference systems isolated to each other tend to result in lack of MCU resource as well as severe waste of network bandwidth, because videoconference service consumes bandwidth severely. It is supposed that a subscriber in Shenzhen wants to have a videoconference at 384kbps with 10 subscribers in Beijing, and if an MCU in Shenzhen has to be used for the videoconference, the maximum bandwidth consumption between Shenzhen and Beijing can be up to 10x384kbps; however, if an MCU in Beijing is to be used for the videoconference, the maximum bandwidth consumption between Shenzhen and Beijing will be 384kbps.

Through a cascaded videoconference using multiple videoconference systems can be held by manual dispatching or by utilizing MCUs in other systems, the entire process has to be intervened manually because participation of administrators in the systems is required. Therefore, it is evident that the demand of the public videoconference operation can not be met.

Please amend paragraphs [18]-[22] on pages 6-8 of the specification as indicated below:

1) a subscriber requesting for conference dispatching from the home conference management system;

2) the home conference management system managing the corresponding local conference sites directly at the dispatching

Preliminary Amendment

U.S. National Stage of PCT/CN2004/001150

Our ref: B-5958PCT 623441-1

May 5, 2006

Page 4

request, and transferring the dispatching across conference management systems to the corresponding conference coordination system; and

3) the conference coordination system dispatching the corresponding master and slave conference management systems at the dispatching request.

The sdispatching step 3) further includes the steps of:

31) the conference coordination system determining each terminal's home conference management system;

32) the conference coordination system splitting the videoconference into sub-conferences and distributing the sub-conferences to each corresponding conference management system;

33) the conference coordination system determining a master conference management system and a plurality of slave conference management systems.

Before the step 1) of requesting for conference dispatching, the videoconference system management method further includes the steps of:

numbering the terminals in the videoconference uniformly;

configuring the conference management systems with number segments to determine corresponding terminals;

configuring the conference coordination systems with number segments managed by the corresponding conference managements system and number segments managed by the neighboring conference coordination systems, so that the conference coordination system

Preliminary Amendment

U.S. National Stage of PCT/CN2004/001150

Our ref: B-5958PCT 623441-1

May 5, 2006

Page 5

can perform dispatching in accordance with the corresponding managed number segments.

The videoconference system management method further includes the following step between the step of managing and transferring of the home conference management system 2) and the dispatching step 3):

the conference coordination system dispatching the corresponding neighboring conference coordination systems.

The videoconference system management method further includes the following steps after the dispatching step 3):

4) the master and slave conference management systems feeding the dispatching result back to the corresponding conference coordination system;

5) the conference coordination system feeding the final dispatching result back to the home conference management system that sent the dispatching request.

Please amend paragraph [50] on pages 12-13 of the specification as indicated below:

In order to enable the conference coordination systems to coordinate each corresponding subordinate conference management system and the neighboring conference coordination systems to perform dispatching and control of the entire conference in accordance with dispatching requests, conference control data and dispatching strategy, the entire videoconference system is configured uniformly. The conference coordination systems need to determine ~~each conference management system corresponding to each~~

Preliminary Amendment

U.S. National Stage of PCT/CN2004/001150

Our ref: B-5958PCT 623441-1

May 5, 2006

Page 6

terminal's home conference management system. In this embodiment, the terminals are configured similar to telephone numbers, as shown in Fig.5:

Please amend paragraphs [72]-[74] on page 20 of the specification as indicated below:

1) a subscriber requesting for conference dispatching from the home conference management system;

2) the home conference management system processing the corresponding local conference sites directly at the dispatching request, and transferring the dispatching across conference management systems to the corresponding conference coordination system;

3) the conference coordination system dispatching the corresponding master and slave conference management systems at a dispatching request (during the conference dispatching process, the conference coordination system performing control of the conference in accordance with the conference control data and performing dispatching with reference to the dispatching strategy) by the steps of:

Please amend paragraphs [78]-[80] on page 21 of the specification as indicated below:

4) the master and slave conference management systems feeding the dispatching result back to the corresponding conference coordination system;

Preliminary Amendment

U.S. National Stage of PCT/CN2004/001150

Our ref: B-5958PCT 623441-1

May 5, 2006

Page 7

5) the conference coordination system feeding the final dispatching result back to the home conference management system that sent the dispatching request.

If the dispatching request indicates to dispatch a neighboring conference coordination system, dispatching a corresponding neighboring conference coordination system in accordance with the corresponding number segment managed by it; the corresponding conference coordination system executing the dispatching steps 3)–5) to the step of feeding the dispatching result.

Please amend paragraph [85] on page 21-22 of the specification as indicated below:

~~The conference coordination system applies conference control data and dispatching strategy during the videoconference.~~

Please amend paragraphs [87]-[92] on page 22 of the specification as indicated below:

(1) a subscriber requesting for conference dispatching to the home conference management system;

(2) determining whether the conference dispatching request is a request across conference management systems or a local request;

(3) the home conference management system processing the request, i.e., if the request is a local request, processing the corresponding local conference site; otherwise, transferring the dispatching across conference management systems to the corresponding conference coordination system;

Preliminary Amendment

U.S. National Stage of PCT/CN2004/001150

Our ref: B-5958PCT 623441-1

May 5, 2006

Page 8

(4) the conference coordination system dispatching the corresponding master and slave conference management systems by the managed corresponding number segments in accordance with the dispatching request, conference control data, and dispatching strategy;

(5) the master and slave conference management systems feeding the dispatching result back to the conference coordination system; wherein

first, the corresponding conference coordination system dispatching the master conference management system;

Please amend paragraph [98] on page 23 of the specification as indicated below:

(6) the conference coordination system feeding the final dispatching result back to the home conference management system that sent the dispatching request.